

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) A formulation for use in the treatment of corrosion and metal sulphide scale deposits in aqueous systems, said formulation comprising a THP⁺ salt ~~(as hereinbefore defined)~~ and a thio-substituted compound.

Claim 2. (Currently Amended) A formulation as claimed in Claim 1 in which the metal sulphide scale is iron sulphide, lead sulphide or zinc sulphide.

Claims 3-4 (Canceled).

Claim 5. (Currently Amended) A formulation as claimed in claim 1 ~~any one of the preceding claims~~ in which the THP⁺ salt comprises an anion selected from the group consisting of sulphate, chloride, phosphate, bromide, fluoride, carbonate, citrate, lactate, tartrate, borate, silicate, formate and acetate.

Claim 6. (Currently Amended) A formulation as claimed in ~~claim 1 any one of Claims 1 to 5~~ in which the thio-substituted compound is selected from the group consisting of thio-substituted carboxylic acids or salts; thio-substituted sulphonic acids; substituted and unsubstituted alkyl and aryl thiols; thio-substituted heterocyclic compounds; and mercaptoethanols.

Claim 7. (Original) A formulation as claimed in Claim 6 in which the thio-substituted compound is thioglycollic acid.

Claim 8. (Currently Amended) A formulation as claimed in ~~claim 1 any one of the preceding claims~~ in which said formulation further includes a surfactant.

Claim 9. (Original) A formulation as claimed in Claim 8 in which the surfactant is a cationic surfactant.

Claim 10. (Original) A formulation as claimed in Claim 9 in which the cationic surfactant is selected from the group consisting of quaternary ammonium compounds, N-alkylated heterocyclic compounds, quaternised amido-amines, and amino methane phosphonate.

Claim 11. (Original) A formulation as claimed in Claim 8 in which the surfactant is selected from the group consisting of anionic, amphoteric and non-ionic surfactants.

Claim 12 (Canceled) .

Claim 13. (Currently Amended) A method for treatment of an aqueous system containing or in contact with a metal sulphide scale while concomitantly inhibiting the corrosion of surfaces in contact with said aqueous system, which method comprises the addition to said aqueous system of a scale and corrosion inhibiting amount of a formulation in accordance with claim 1 ~~any one of Claims 1 to 11.~~

Claim 14. (Original) A method according to Claim 13 in which the aqueous system is used in enhanced oil recovery.

Claim 15. (Original) A method as claimed in Claim 13 in which the aqueous system is used in industrial water systems.

Claim 16. (Original) A method as claimed in Claim 13 in which the aqueous system is used in paper manufacturing systems.

Claim 17. (Currently Amended) A formulation consisting essentially of the reaction product of a THP⁺ salt ~~(as hereinbefore defined)~~ and a thio-substituted compound, wherein the ratio of said THP⁺ salt and said thio-substituted compound is between 1:1 and 750:1.

Claim 18. (Currently Amended) A method as claimed in claim 13 ~~any one of Claims 13 to 16~~ in which the THP⁺ salt is added to the aqueous system in an effective amount of up to 30% by weight.

Claim 19. (Currently Amended) A formulation as claimed in claim 1 ~~any one of Claims 1 to 11~~ in which the ratio of the THP⁺ salt to the thio-substituted compound is in the range of between 1:1 and 750:1.

Claims 20-21 (Canceled).

Claim 22. (New) A formulation as claimed in claim 19 in which the thio-substituted compound is selected from the group consisting of thio-substituted carboxylic acids or salts; thio-substituted sulphonic acids; substituted and unsubstituted alkyl and aryl thiols; thio-substituted heterocyclic compounds; and mercaptoethanols.

Claim 23. (New) A formulation as claimed in claim 22 in which said formulation further includes a surfactant.

Claim 24. (New) A formulation as claimed in claim 23 in which the ratio of the THP⁺ salt to the thio-substituted compound is in the range of 15:1 and 300:1.

Claim 25. (New) A formulation as claimed in claim 23 in which the ratio of the THP⁺ salt to the thio-substituted compound is in the range of 75:1 and 150:1.